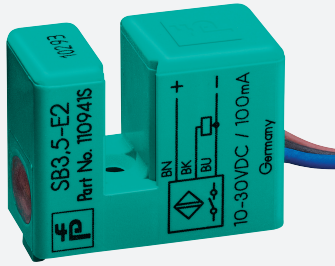


Inductive slot sensor

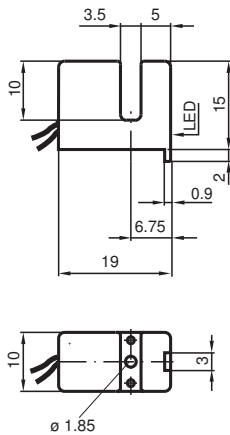
SB3,5-E2-BU



- 3.5 mm slot width
- Basic series



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)	
Output type	PNP	
Slot width	3.5 mm	
Depth of immersion (lateral)	5 ... 7 typ. 6 mm	
Installation		
Output polarity	DC	
Output type	3-wire	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	0.1 ... 0.4 mm
Reverse polarity protection	reverse polarity protected	

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 3 \text{ V}$
Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	$\leq 7 \text{ mA}$
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		2590 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		flexible leads LiY , 500 mm
Core cross-section		0.14 mm ²
Housing material		PBT
Degree of protection		IP67

Connection

